

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

2.3.2: Use of Clinical Skills Laboratory / Simulation Based Learning:

IIIrd BDS

Point 1. List of clinical / laboratory skills models/facilities

Sl. no.	Name of clinical / laboratory skills model	2017-18	2018-19	2019-20	2020-21	2021-22
1	Case History- Pulp and periapical diseases	✓	✓	✓	✓	✓
2	Examination of TMJ,	✓	✓	✓	✓	✓
3	Examination of Salivary glands	✓	✓	✓	✓	✓
4	Examination of Lymphnodes	✓	✓	✓	✓	✓
5	Extraoral examination	✓	✓	✓	✓	✓
6	Intraoral examination	✓	✓	✓	✓	✓
7	Making IOPA	✓	✓	✓	✓	✓
8	Processing Radiograph	✓	✓	✓	✓	✓


Dr. Ramakant Nayak
Principal
M.M's. N.G. Halgekar Institute of Dental Sciences
& Research Centre, Belagavi-590010.

IV BDS

Point 1. List of clinical / laboratory skills models/facilities

Sl. no.	Name of clinical / laboratory skills model	2017-18	2018-19	2019-20	2020-21	2021-22
1	Case History- Pulp and periapical diseases	✓	✓	✓	✓	✓
2	Examination of TMJ,	✓	✓	✓	✓	✓
3	Examination of Salivary glands	✓	✓	✓	✓	✓
4	Examination of Lymphnodes	✓	✓	✓	✓	✓
5	Extraoral examination	✓	✓	✓	✓	✓
6	Intraoral examination	✓	✓	✓	✓	✓
	Examination of soft tissues of oral cavity	✓	✓	✓	✓	✓
7	Identification, examination and description of White patch.	✓	✓	✓	✓	✓
8	Identification, examination and description of Red patch.	✓	✓	✓	✓	✓
9	Identification, examination and description of Ulcer.	✓	✓	✓	✓	✓
10	Identification, examination and description of Swelling	✓	✓	✓	✓	✓
11	Making a D/D list for a given special case	✓	✓	✓	✓	✓
12	Making IOPA	✓	✓	✓	✓	✓
13	Making Bitewing	✓	✓	✓	✓	✓
14	Making occlusal	✓	✓	✓	✓	✓
15	Processing Radiograph	✓	✓	✓	✓	✓

INTERNS

Point 2. List of Training programs conducted by the department;

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Tobacco Deaddiction	✓	✓	✓	✓	✓

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Principal

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2	Examination of TMJ,	✓	✓	✓	✓	✓
3	Examination of Salivary glands	✓	✓	✓	✓	✓
4	Examination of Lymphnodes	✓	✓	✓	✓	✓
5	Extraoral examination	✓	✓	✓	✓	✓
6	Intraoral examination	✓	✓	✓	✓	✓
	Examination of soft tissues of oral cavity	✓	✓	✓	✓	✓
7	Identification, examination and description of White patch.	✓	✓	✓	✓	✓
8	Identification, examination and description of Red patch.	✓	✓	✓	✓	✓
9	Identification, examination and description of Ulcer.	✓	✓	✓	✓	✓
10	Identification, examination and description of Swelling	✓	✓	✓	✓	✓
11	Identification, examination and description of Vesiculobullous lesions	✓	✓	✓	✓	✓
12	Identification, examination and description of Cysts of the jaw	✓	✓	✓	✓	✓
13	Identification, examination and description of Salivary gland disorders	✓	✓	✓	✓	✓
14	Identification, examination and description of TMJ disorders	✓	✓	✓	✓	✓
15	Identification, examination and description of Orofacial pain	✓	✓	✓	✓	✓
16	Identification, examination and description of pigmented lesions	✓	✓	✓	✓	✓
17	Identification, examination and description of malignant lesions	✓	✓	✓	✓	✓
18	Making a D/D list for a given special case	✓	✓	✓	✓	✓
19	Vitality testing	✓	✓	✓	✓	✓
20	Cytology Smear	✓	✓	✓	✓	✓
21	Incisional Biopsy	✓	✓	✓	✓	✓
22	Excisional Biopsy	✓	✓	✓	✓	✓
23	Punch Biopsy	✓	✓	✓	✓	✓
24	Making IOPA	✓	✓	✓	✓	✓
25	Making Bitewing	✓	✓	✓	✓	✓
26	Making occlusal	✓	✓	✓	✓	✓
27	Making OPG	✓	✓	✓	✓	✓

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Principal

28	Making Lateral Cephalogram	✓	✓	✓	✓	✓
29	Making lateral skull/PA skull/AP skull	✓	✓	✓	✓	✓
30	Making SMV	✓	✓	✓	✓	✓
31	Making Reverse towns	✓	✓	✓	✓	✓
32	Making Chest Radiograph	✓	✓	✓	✓	✓
33	Making PNS view	✓	✓	✓	✓	✓
34	Puffed Cheek PNS	✓	✓	✓	✓	✓
35	TMJ Tomography	✓	✓	✓	✓	✓
36	TMJ – Traanscranial/Transorbital/Transpharyngeal	✓	✓	✓	✓	✓
37	Processing Radiograph both Intraoral/Extraoral	✓	✓	✓	✓	✓
38	Teaching Skills (Lecture for UG, Seminar, Case presentations)	✓	✓	✓	✓	✓


Dr. Ramakant Nayak
 Principal
 M.M's. N.G. Halgekar Institute of Dental Sciences
 & Research Centre, Belagavi-590010.

LIST OF TRAINING PROGRAMMES CONDUCTED BY DEPARTMENTS

PUBLIC HEALTH DENTISTRY

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Research Methodology By conducting Dissertation/short studies	✓	✓	✓	✓	✓
2	Tobacco Deaddiction	✓	✓	✓	✓	✓
3	Age estimation	✓	✓	✓	✓	✓
4	anatomical landmark tracing	✓	✓	✓	✓	✓
5	Scientific paper and poster presentation skills	✓	✓	✓	✓	✓
6	Literature review by doing Library Dissertation	✓	✓	✓	✓	✓
7	Critiquing a scientific article by Journal club Presentation	✓	✓	✓	✓	✓


Dr. Ramakant Nayak
Principal
M.M's. N.G. Halgekar Institute of Dental Sciences
& Research Centre, Belagavi-590010.

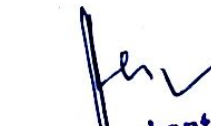
ORAL & MAXILLOFACIAL SURGERY

IV BDS CLINICALS

S.No	TOPIC	MODE OF TEACHING
1	Trans alveolar extractions- discussions	Discussion and assisting
2	Case presentations	Discussions
3	Wiring on models	Discussion and demonstration
4	Case discussions - chair side	Discussion
5	Assisting in minor and major surgeries	Performance
6	Intra muscular injections	Performance
7	Dressings	Performance



Professor & Head
Dept of oral & Maxillofacial Surgery
Maratha Mandal's N. G. Halgekar Institute of
Dental Sciences & Research Centre
Belagavi Karnataka India Pin Code: 590010



Dr. Ramakant Nayak
Principal
M.M's. N.G. Halgekar Institute of Dental Sciences
& Research Centre, Belagavi-590010.

III BDS CLINICALS

S.No	TOPIC	MODE OF TEACHING
1	Gross and clinical anatomy of trigeminal nerve	Discussion
2	Local anaesthesia	Discussion
	-Definition	
	-Ideal properties	
	-Theories of mechanism of action	
	-Composition	
	-Classification	
	-Mode of action	
3	Nerve blocks- Trigeminal nerve	Discussion and Demonstration
4	Exodontia	Discussion and Demonstration
	-Principles	
	-Indications and contraindication	
	-Intra-alveolar extraction	
	-Complications	
5	Suturing on models	Discussion and Demonstration
6	Intra muscular injections	Discussion and Demonstration



Professor & Head

Dept of oral & Maxillofacial Surgery
 M.M's. N.G. Halgekar Institute of
 Dental Science & Research Centre
 Belagavi, India-590010




Dr. Ramakant Nayak
 Principal
 M.M's. N.G. Halgekar Institute of Dental Sci
 & Research Centre, Belagavi-590010

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1	Trans alveolar extractions- discussions	Discussion and assisting
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3	Wiring on models	Discussion and demonstration
4	Case discussions - chair side	Discussion
5	Assisting in minor and major surgeries	Performance
6	Intra muscular injections	Performance
7	Dressings	Performance




Professor & Head
Dept of oral & Maxillofacial Surgery
Maratha Mandal's N. G. Halgekar Institute of
Dental Sciences & Research Centre
Belagavi, Karnataka, India Pin Code- 590010



Dr. Ramakant Nayak
Principal
M.M's. N.G. Halgekar Institute of Dental Sciences
& Research Centre, Belagavi-590010.

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	-Indications and contraindication	
	-Intra-alveolar extraction	
	-Complications	
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6	Intra muscular injections	Discussion and Demonstration


 Professor & Head
 Dept of oral & Maxillofacial Surgery
 M.M's. N.G. Halgekar Institute of
 Dental Science & Research Centre
 Belagavi, India-590010


Dr. Ramakant Nayak
 Principal
 M.M's. N.G. Halgekar Institute of Dental Science
 & Research Centre, Belagavi-590010.

INTERNEES CLINICAL WORKS AND DUTIES

S.No	WORK/DUTY
1	OPD work
2	Exodontia
3	Assisting in minor and major cases
4	Recovery room duties – Day and Night
5	Ward postings and ward works – Day and Night



Professor & Head
Dept of oral & Maxillofacial Surgery
Maratha Mandal's N. G. Halgekar Institute of
Dental Science & Research Centre
Belagavi Karnataka India Pin Code-590010



Dr. Ramakant Nayak
Principal
M.M's. N.G. Halgekar Institute of Dental Sciences
& Research Centre, Belagavi-590010.

PROSTHODONTICS, CROWN & BRIDGE

SL NO.	DETAIL OF THE LABORATORY WORK	2017-18	2018-19	2019-20	2020-21	2021-22
I BDS	DENTAL MATERIALS	✓	✓	✓	✓	✓
	Manipulation of dental plaster	✓	✓	✓	✓	✓
	Manipulation of dental stone	✓	✓	✓	✓	✓
	Plaster cubes 1''	✓	✓	✓	✓	✓
	Manipulation of impression compound	✓	✓	✓	✓	✓
	PRECLINICAL PROSTHODONTICS					
	Impression of metal die with impression compound	✓	✓	✓	✓	✓
	Beading and boxing	✓	✓	✓	✓	✓
	Cast pouring	✓	✓	✓	✓	✓
	Designing of spacer	✓	✓	✓	✓	✓
Fabrication of custom tray	✓	✓	✓	✓	✓	
II BDS	DENTAL MATERIALS					
	Manipulation of alginate & pouring the cast	✓	✓	✓	✓	✓
	Manipulation of ZOE impression paste & pouring of cast	✓	✓	✓	✓	✓
	Demonstration of manipulation of elastomeric impression materials	✓	✓	✓	✓	✓
	Manipulation of self polymerizing resin	✓	✓	✓	✓	✓
	Manipulation of heat polymerizing resin	✓	✓	✓	✓	✓
	PRECLINICAL PROSTHODONTICS					
	Fabrication of heat polymerizing resin record base	✓	✓	✓	✓	✓
	Fabrication of self polymerizing resin record base	✓	✓	✓	✓	✓
	Fabrication of Occlusal rims	✓	✓	✓	✓	✓
	Mounting of casts on mean value articulator	✓	✓	✓	✓	✓
	Class I teeth arrangement	✓	✓	✓	✓	✓
	Wax-up	✓	✓	✓	✓	✓
Acrylization of class I denture	✓	✓	✓	✓	✓	

RNC
Dr. Ramakant Nayak
 Principal

M.M's. N.G. Halgekar Institute of Dental Sciences
 & Research Centre, Belagavi-590010.

CLINICAL WORK FOR UNDERGRADUATES

SL NO.	DETAIL OF THE CLINICAL WORK	2017-18	2018-19	2019-20	2020-21	2021-22	
	TREATMENT PARTIAL DENTURES						
III BDS	1) Primary impression	✓	✓	✓	✓	✓	
	2) Pouring of impression	✓	✓	✓	✓	✓	
	3) Fabrication of custom tray	✓	✓	✓	✓	✓	
	4) Border molding and secondary impression	✓	✓	✓	✓	✓	
	5) Jaw relation	✓	✓	✓	✓	✓	
	6) Denture try in	✓	✓	✓	✓	✓	
	7) Acrylization of denture	✓	✓	✓	✓	✓	
	8) RPD insertion	✓	✓	✓	✓	✓	
		COMPLETE DENTURES					
	1) Primary impression	✓	✓	✓	✓	✓	
	2) Beading and boxing Pouring of impression	✓	✓	✓	✓	✓	
	3) Spacer design	✓	✓	✓	✓	✓	
	4) Fabrication of custom tray	✓	✓	✓	✓	✓	
	5) Border molding and secondary impression	✓	✓	✓	✓	✓	
	6) Fabrication of record bases and occlusal rims	✓	✓	✓	✓	✓	
	7) Record of maxillo mandibular relation	✓	✓	✓	✓	✓	
8) Denture try in	✓	✓	✓	✓	✓		
9) Acrylization of denture							
	TREATMENT PARTIAL DENTURES						
IV BDS	1) Primary impression	✓	✓	✓	✓	✓	
	2) Pouring of impression	✓	✓	✓	✓	✓	
	3) Fabrication of custom tray	✓	✓	✓	✓	✓	
	4) Border molding and secondary impression	✓	✓	✓	✓	✓	
	5) Jaw relation	✓	✓	✓	✓	✓	
	6) Denture try in	✓	✓	✓	✓	✓	
	7) Acrylization of denture	✓	✓	✓	✓	✓	
	8) RPD insertion	✓	✓	✓	✓	✓	
		COMPLETE DENTURES					
	1) Primary impression	✓	✓	✓	✓	✓	
	2) Beading and boxing	✓	✓	✓	✓	✓	
	3) Pouring of impression						
	4) Spacer design	✓	✓	✓	✓	✓	
	5) Fabrication of custom tray	✓	✓	✓	✓	✓	
	6) Border molding and secondary impression	✓	✓	✓	✓	✓	
	7) Fabrication of record bases and occlusal rims	✓	✓	✓	✓	✓	
	8) Record of maxillo mandibular relation	✓	✓	✓	✓	✓	
	Denture try in	✓	✓	✓	✓	✓	
	Cast partial denture designing	✓	✓	✓	✓	✓	
Surveying	✓	✓	✓	✓	✓		
Tooth preparation (10)	✓	✓	✓	✓	✓		

LABORATORY WORK FOR POSTGRADUATES

YEAR	DETAIL OF THE LABORATORY WORK DONE	2017-18	2018-19	2019-20	2020-21	2021-22
I MDS	COMPLETE DENTURE					
	1. Arrangements in adjustable articulator for	✓	✓	✓	✓	✓
	a. Class I	✓	✓	✓	✓	✓
	b. Class II	✓	✓	✓	✓	✓
	c. Class III	✓	✓	✓	✓	✓
	d. Cross bite	✓	✓	✓	✓	✓
	2. Processing of characterized anatomical denture	✓	✓	✓	✓	✓
	REMOVABLE PARTIAL DENTURE					
	1. Design for Kennedy's Classification (Survey , block out design)	✓	✓	✓	✓	✓
	a. Class I	✓	✓	✓	✓	✓
	b. Class II	✓	✓	✓	✓	✓
	c. Class III	✓	✓	✓	✓	✓
	d. Class IV	✓	✓	✓	✓	✓
	2. Designing of various components of RPD	✓	✓	✓	✓	✓
	3. Wax pattern on refractory cast	✓	✓	✓	✓	✓
	a. Class I	✓	✓	✓	✓	✓
	b. Class II	✓	✓	✓	✓	✓
	c. Class III	✓	✓	✓	✓	✓
	d. Class IV	✓	✓	✓	✓	✓
	4. Casting and finishing metal frameworks	✓	✓	✓	✓	✓
	FIXED PARTIAL DENTURE					
	1. FVC for metal	✓	✓	✓	✓	✓
	2. FVC for ceramic	✓	✓	✓	✓	✓
	3. Porcelain jacket crown	✓	✓	✓	✓	✓
	4. PFM crown	✓	✓	✓	✓	✓
	5. 3/4 th (canine, premolar and central)	✓	✓	✓	✓	✓
	6. 7/8 th posterior	✓	✓	✓	✓	✓
	7. Proximal half crown	✓	✓	✓	✓	✓
	II. Preparation of different die system	✓	✓	✓	✓	✓
	III. Fabrication of wax pattern by drop wax build up technique	✓	✓	✓	✓	✓
	1. Wax in increments to produce wax coping over dies of teeth preparations on substructures.	✓	✓	✓	✓	✓
	2. Wax additive technique	✓	✓	✓	✓	✓
	3. 3-unit wax pattern (maxillary and Mandibular)	✓	✓	✓	✓	✓
	IV. Fabrication of metal framework					
	1. Full metal bridge for posterior (3 units)	✓	✓	✓	✓	✓
2. Coping for anterior (1 unit)	✓	✓	✓	✓	✓	
IX. Maxillofacial Prosthesis						
1. Eye	✓	✓	✓	✓	✓	
2. Ear	✓	✓	✓	✓	✓	
3. Finger Prosthesis	✓	✓	✓	✓	✓	
4. Obturator	✓	✓	✓	✓	✓	

Dr. Ramakant Nayak
Principal

DEPT OF PROSTHODONTICS CROWN AND BRIDGE

For IIIrd BDS Students

1) Impression making of dentulous arch

S.No	PROCEDURE	YES	NO
1)	Selection of proper armamentarium		
2)	Selection of Maxillary Tray		
3)	Selection of Mandibular Tray		
4)	Assessment of water powder ratio of the Impression material		
5)	Manipulation of the impression material		
6)	Consistency of the mixed impression material		
7)	Loading of the impression tray		
8)	Position of the Patient and the operator for impression making		
9)	Assessment of the made impressions for maxillary and mandibular arches		
10)	Disinfection of the impression material		

DEPT OF PROSTHODONTICS CROWN AND BRIDGE

OSCE/OSPE

For II nd BDS Students (Pre Clinical Prosthodontics)

S.No	PROCEDURE	YES	NO
1)	Preparation of Maxillary and mandibular edentulous casts in dental stone with keyways		
2)	Adaptation of baseplates		
3)	Preparation of occlusal rims		
4)	Sealing of Maxillary and mandibular Occlusal rims in class I relation and mounting		
5)	Arrangement of Maxillary anterior teeth		
6)	Arrangement of Mandibular anterior teeth		
7)	Arrangement of Maxillary posterior teeth		
8)	Arrangement of mandibular posterior teeth		
9)	Wax up and carving		
10)	Time management		

For II nd BDS Students (Dental Materials)

1) Manipulation of impression compound and Primary Impression making

S.no	PROCEDURE	YES	NO
1	Selection of armamentarium		
2	Selection of stock tray		
3	Manipulation of impression compound		
4	Loading of Stock tray		
5	Impression making		
6	Whether the of recorded primary impression is appropriate		

Dr. Ramakant Nayak
Principal

1) Primary Impression Making

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	Selection of Maxillary Tray		
3	Selection of Mandibular Tray		
4	Selection of appropriate impression material		
5	Proper Manipulation of material		
6	Proper Loading of impression tray		
7	Position of the Patient and the operator for maxillary impression making		
8	Position of the Patient and the operator for mandibular impression making		
9	Whether Impressions made for maxillary and Mandibular arch are correct		
10	Disinfection of Impression made		

2) Secondary Impression Making

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	Intra oral adjustment of the maxillary custom Tray		
3	Intra oral adjustment of the mandibular custom Tray		
4	Position of the Patient and the operator for maxillary impression making		
5	Position of the Patient and the operator for mandibular impression making		
6	Whether the border molding was done correct		
7	Selection of appropriate impression material for secondary Impression making		
8	Correct Manipulation of Selected impression material		
9	Whether Impressions made for maxillary and Mandibular arch are correct		
10	Disinfection of Impression made		

3) Jaw Relation

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	If Occlusal Rims for maxillary arches were fabricated properly		
3	If Occlusal Rims for mandibular arches were fabricated properly		
4	Whether maxillary rim was oriented to the plane of Orientation		
5	Correction orientation of mandibular occlusal rims		
6	Whether VDR was recorded		
7	Whether VDR was recorded		
8	Whether Freeway Space was assessed		
9	Method of recording centric relation		
10	Registration of Maxillo-mandibular relation		


Dr. Ramakant Nayak
 Principal
 M.M's. N.G. Halgekar Institute of Dental Sciences
 & Research Centre, Belagavi-590010.

2) Preparation of Primary cast of Maxillary and Mandibular impression

S.no	PROCEDURE	YES	NO
1	Selection of armamentarium		
2	Beading of Maxillary and Mandibular impression		
3	Boxing of Maxillary and Mandibular impression		
4	Whether adequate Water powder ration was used		
5	Manipulation of Plaster of Paris		
6	Whether mix was of appropriate consistency		
7	Whether mix was of appropriate cons		

3) Manipulation of Zinc oxide Eugenol Impression Paste

S.no	PROCEDURE	YES	NO
1	Selection of armamentarium		
2	Dispensing proper length of the impression paste		
3	Manipulation of the impression paste		
4	Adequate time for mixing		
5	Whether impression taken was appropriate		

4) Manipulation of Alginate Impression

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	Selection of Maxillary Tray		
3	Selection of Mandibular Tray		
4	Assessment of water powder ratio of the Impression material		
5	Manipulation of the impression material		
6	Consistency of the mixed impression material		
7	Whether final impression made was correct		

5) Manipulation of Rubber Based Impression Material

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	Dispensing proper length of the impression paste		
3	Correct Manipulation of the impression paste		
4	Correct Mixing time		
5	Adequate consistency of the mixed impression paste		

6) Manipulation of Heat Cure Acrylic Resin

S.no	PROCEDURE	YES	NO
1	Selection of Armamentarium		
2	Correct polymer to monomer ratio		
3	Whether Different stages of polymerization were shown		
4	Adequate consistency of the material		

Dr. Ramakant Nayak
Principal

CONSERVATIVE DENTISTRY & ENDODONTICS

For II B.D.S (Preclinical Conservative)

S. no.	Name of clinical / laboratory skills model	2017-18	2018-19	2019-20	2020-21	2021-22
1	Preparation of 1" cube in Plaster of paris - 6 Nos. Preparation of geometric cavities in the above cubes	✓	✓	✓	✓	✓
2	Preparation of Tooth models in plaster and preparation of cavities and restoration with modeling wax. Incisors- 4 nos b. Pre-Molars -2 nos. Molars -8 nos	✓	✓	✓	✓	✓
3	Preparation of Cavities on Extracted Natural Teeth	✓	✓	✓	✓	✓
4	Preparation of Cavities on Typhodont teeth Class I Class II -6 with 2 extensions 5 DO Conventional 5 MO 5 Conservative 2 MOD (1 Upper molar) (1 Lower Molar) 3 on Anteriors Class III Class V 2 on Posteriors	✓	✓	✓	✓	✓
5	Inlay preparation on extracted teeth- Class I -1 Class II -2+1 MOD -1 Class V -1	✓	✓	✓	✓	✓
6	To prepare Wax patterns and one to be casted	✓	✓	✓	✓	✓
7	. Root canal access cavity opening on Upper Central incisor.	✓	✓	✓	✓	✓



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8	Demonstration of Light cure composite and Glass Ionomer Restorations.	✓	✓	✓	✓	✓
9	Demonstration of endodontic Instruments	✓	✓	✓	✓	✓
10	Demonstration - inlay cavity preparation	✓	✓	✓	✓	✓
11	,Wax pattern, investing, casting, polishing and cementation of cast restoration.	✓	✓	✓	✓	✓

III B.D.S List of conducted by the department;

List of preclinical work done

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
	Class I cavity preparation on extracted molars and premolars teeth - 5	✓	✓	✓	✓	✓
	Base application – GIC and Zinc phosphate	✓	✓	✓	✓	✓
	Composite restoration - 5	✓	✓	✓	✓	✓
	Class II cavity preparation on premolars and molars -5	✓	✓	✓	✓	✓
	Base application – GIC and Zinc phosphate	✓	✓	✓	✓	✓
	Composite restoration - 5	✓	✓	✓	✓	✓


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IV B.D.S List of conducted by the department

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Class II cavity preparation on premolars and molars - 5	✓	✓	✓	✓	✓
2	Base application –GIC and Zinc phosphate	✓	✓	✓	✓	✓
3	Composite restoration - 5	✓	✓	✓	✓	✓
4	Class III and Class IV – cavity preparation on extracted upper anterior teeth	✓	✓	✓	✓	✓
5	Access cavity preparation on anterior teeth-05	✓	✓	✓	✓	✓
6	working length determination	✓	✓	✓	✓	✓
7	Biomechanical preparation by Step Back technique	✓	✓	✓	✓	✓
8	Obturation using lateral condensation technique	✓	✓	✓	✓	✓

Interns List of preclinical work conducted by the department

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Access cavity preparation on anterior teeth-05	✓	✓	✓	✓	✓
2	working length determination	✓	✓	✓	✓	✓
3	Biomechanical preparation by Step Back technique	✓	✓	✓	✓	✓
4	Obturation using lateral condensation technique	✓	✓	✓	✓	✓
5	Demonstration Inlay, onlay preparation on extracted molars	✓	✓	✓	✓	✓
6	Demonstration of Vital and non vital bleaching on extracted teeth.	✓	✓	✓	✓	✓


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Post Graduate List of Preclinical work conducted by the department

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
	Cavity preparation on plaster models for Amalgam restorations 1. Class II conservative - 2 2. Class II conventional - 2 3. Complex restorations - 2 4. Class IV restoration - 1	✓	✓	✓	✓	✓
	cavity preparation for inlay on plaster model Mo and do - 2 Mod - 1 Cusp capping - 1	✓	✓	✓	✓	✓
	Preparation for onlay - 1	✓	✓	✓	✓	✓
	Exercises On Typhodont Teeth Cavity preparation for amalgam a. Conservative cavity Molars - 2 Premolar - 1 b. Conventional cavity Molars - 2 Premolar - 1 Cavity preparation for inlay MO and DO(premolar and molar) - 4 a) MOD (premolar and molar) - 4 b) Cusp capping - 2	✓	✓	✓	✓	✓
	c) Wax pattern fabrication Class II 1PM+IM } MOD 1+1 } Cusp capping 1+1 } d) Casting Class II 1PM+1M } MOD 1 } Cusp capping }	✓	✓	✓	✓	✓
	Onlay preparation a) Preparation - 2 b) Casing - 1	✓	✓	✓	✓	✓

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<p>1) Full crown (all ceramic + metal ceramic)</p> <p>a) Anterior</p> <p>Upper - 3 Lower - 2</p> <p>b) Posterior (all ceramic + metal ceramic + metal)</p> <p>Upper - 3 Lower - 2</p> <p>c) Processing - 2</p> <p>2) 7/8 crown on molars</p> <p>a) preparation - 2 b) processing - 1</p> <p>6) 3/4 crown on premolars</p> <p>a) preparation - 2 b) processing - 1</p>	✓	✓	✓	✓	✓
<p align="center"><u>Exercises On Natural Tooth</u></p> <p>1) Cavity preparation for amalgam restorations</p> <p>a) Class II</p> <p>Conservative - 2 Conventional - 2</p> <p>b) Complex restoration - 2</p> <p>c) Class V - 2</p>	✓	✓	✓	✓	✓
<p>4) Tooth preparation for crown</p> <p>a) anterior (U+L) - 6 b) Premolars - 2 c) molars - 2 d) casting - 2</p>	✓	✓	✓	✓	✓
<p>5) veneers anterior teeth - 2</p>	✓	✓	✓	✓	✓
<p>6) post and core build up</p> <p>a) anterior teeth (U+L)- 10 b) posterior teeth (PM+M) - 5</p>	✓	✓	✓	✓	✓
<p>7) Composite inlay</p> <p>Preparation - 3 Processing - 1</p>	✓	✓	✓	✓	✓
<p>8) Wax carvings of teeth</p> <p>a) Anteriors - 2 b) Premolars - 2 c) Molars - 2</p>	✓	✓	✓	✓	✓
<p>Cavity preparation for inlay</p> <p>a) MO, DO (PM+M) - 4 b) MOD - 2</p>	✓	✓	✓	✓	✓


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	c) Cusp capping - 2 d) Wax pattern - 2					
	3) Tooth preparation for onlay a) preparation - 3 b) wax pattern and casting - 1	✓	✓	✓	✓	✓
	1) Sectioning of teeth a. All permanent teeth b. Primary 2 nd molar	✓	✓	✓	✓	✓
	Access cavity preparation on anterior teeth- - all permanent teeth	✓	✓	✓	✓	✓
	1) Biomechanical preparation by Step back technique - 3 Crown down technique - 3 Hybrid - 3	✓	✓	✓	✓	✓
	2) Obturation Lateral condensation - 3 Vertical condensation - 3 Thermoplasticized - 3	✓	✓	✓	✓	✓
	3) Post and core preparation and fabrication Wax pattern and casting - 4	✓	✓	✓	✓	✓
	4) Removable dies - 4	✓	✓	✓	✓	✓


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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Point 1. List of clinical / laboratory skills models/facilities

III BDS PRECLINICAL WORK

S. no.	Name of clinical / laboratory skills model	2016	2017	2018	2019	2020	2021
1.	Class I Cavity Preparation on extracted deciduous molar.	✓	✓	✓	✓	✓	✓
2.	Fabrication of Functional space Maintainer	✓	✓	✓	✓	✓	✓
3.	Fabrication of non Functional space Maintainer	✓	✓	✓	✓	✓	✓

IV BDS PRECLINICAL WORK DONE

S. no.	Name of clinical / laboratory skills model	2016	2017	2018	2019	2020	2021
1.	Fabrication of oral screen	✓	✓	✓	✓	✓	✓
2.	Fabrication of Tongue crib appliance	✓	✓	✓	✓	✓	✓

PRECLINICAL WORK DONE BY POST GRADUATES.

S. no.	Name of clinical / laboratory skills model	2016	2017	2018	2019	2020	2021
1.	Carving of deciduous teeth 1. Maxillary central incisor 2. Maxillary later incisor	✓	✓	✓	✓	✓	✓


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	3. Maxillary canine 4. Maxillary first molar 5. Maxillary second molar 6. Mandibular central incisor 7. Mandibular canine 8. Mandibular first molar Mandibular second molar						
2.	Basic wire bending exercises 1. Straightening of 20 gauge wire 2. Square 3. Circle 4. Triangle 5. V loop 6. U loop U-V loop	✓	✓	✓	✓	✓	✓
3.	Basic soldering exercises 1. Star 2. Comb 3. Lamp post	✓	✓	✓	✓	✓	✓
4.	Basic spot welding exercise 1. Welding of square of 2cm side 2. Welding of two semicircles of 2cm diameter	✓	✓	✓	✓	✓	✓
5.	Drawing the sections and shape of teeth 1. Maxillary and mandibular permanent central incisor 2. Maxillary and	✓	✓	✓	✓	✓	✓


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	mandibular lateral incisor 3. Maxillary and mandibular canine 4. Maxillary and mandibular first premolar 5. Maxillary and mandibular second premolar 6. Maxillary and mandibular first molar 7. Maxillary and mandibular second molar 8. Cross-section; anatomy of primary teeth 9. Differences between primary and permanent teeth 10. Relationship of primary teeth to permanent tooth bud Vertucci's classification of root canal system							
6	Fabrication of removable space maintainers 1. Unilateral non functional 2. Bilateral non functional 3. Unilateral functional 4. Bilateral functional	✓	✓	✓	✓	✓	✓	✓
7	Phantom head exercises 1. Strip crown on 51 2. polycarbonate crown on 61 3. Stainless steel crown on 75	✓	✓	✓	✓	✓	✓	✓


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	4. Cast metal crown on 36 5. Class II amalgam(distal) on 85 6. Class II amalgam(mesial) on 46 7. Class II inlay preparation on 26 Only preparation on 16						
8	Fabrication of orthodontic appliances 1. Maxillary bite plane 2. Maxillary expansion screw 3. Canine retractor appliance • Buccal • u- loop • palatal helical	✓	✓	✓	✓	✓	✓
9	Habit breaking appliances Removable 1. Habit breaking appliance with tongue crib 2. Oral screen with breathing holes 3. Double oral screen 4. Lip bumper 5. Splint for bruxism Fixed 1. Fixed tongue crib 2. Triple loop corrector 3. Lip bumper 4. Quad helix Modified nance appliance	✓	✓	✓	✓	✓	✓
10	Myofunctional appliance 1. Twin block Activator	✓	✓	✓	✓	✓	✓
11	Inclined plane	✓	✓	✓	✓	✓	✓
12	Feeding appliance	✓	✓	✓	✓	✓	✓
13	Fixed space maintainers 1. Band and loop 2. Band and short loop	✓	✓	✓	✓	✓	✓


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	analysis 4. Huckaba's analysis							
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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

POINT 1 - USE OF CLINICAL SKILLS LABORATORY/SIMULATION BASED LEARNING

A) III rd YEAR BDS

Sl. no.	Name of clinical /laboratory skills model	2016	2017	2018	2019	2020	2021
1 a	Basic wire bending exercises with 22 gauge wire – To improve the dexterity of manipulation of wire Straightening of wire	✓	✓	✓	✓	✓	✓
b	Fabrication of equilateral triangle	✓	✓	✓	✓	✓	✓
c	Fabrication of equilateral square	✓	✓	✓	✓	✓	✓
d	Fabrication of circle	✓	✓	✓	✓	✓	✓
e	Fabrication of U loop	✓	✓	✓	✓	✓	✓
f	Fabrication of V loop	✓	✓	✓	✓	✓	✓
2 a	Fabrication of CLASPS with 22 gauge wire - Retentive components of removable appliance Fabrication of C- clasp	✓	✓	✓	✓	✓	✓
b	Fabrication of Jackson's clasp	✓	✓	✓	✓	✓	✓
c	Fabrication of Adam's clasp	✓	✓	✓	✓	✓	✓
3 a	Fabrication of springs with 24 gauge wire- Active components of the removable appliance Fabrication of finger spring	✓	✓	✓	✓	✓	✓
b	Fabrication of Z spring	✓	✓	✓	✓	✓	✓


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4	Fabrication of bows with 22 gauge wire- Active components of the removable appliance						
a	Fabrication of short labial bow	✓	✓	✓	✓	✓	✓
b	Fabrication of long labial bow	✓	✓	✓	✓	✓	✓
5	Fabrication of canine retractors with 23 gauge wire- Active components of removable appliance						
a	Fabrication of U loop canine retractor	✓	✓	✓	✓	✓	✓
b	Fabrication of buccal canine retractor	✓	✓	✓	✓	✓	✓
c	Fabrication of reverse loop canine retractor	✓	✓	✓	✓	✓	✓
d	Fabrication of palatal canine retractor	✓	✓	✓	✓	✓	✓

B) IV TH YEAR BDS

Sl. no.	Name of clinical /laboratory skills model	2016	2017	2018	2019	2020	2021
1	Fabrication of appliances	✓	✓	✓	✓	✓	✓
a	Hawley's retainer						
b	Tongue crib appliance	✓	✓	✓	✓	✓	✓
c	Oral screen	✓	✓	✓	✓	✓	✓
d	Lower inclined plane	✓	✓	✓	✓	✓	✓
2	Model analysis	✓	✓	✓	✓	✓	✓
3	Cephalometric analysis	✓	✓	✓	✓	✓	✓

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4	Case history - Clinical training in diagnosis and treatment planning	✓	✓	✓	✓	✓	✓
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C) MDS

Sl. no.	Name of clinical /laboratory skills model	2016	2017	2018	2019	2020	2021
A 1	Basic wire bending exercises with 0.7 mm or 0.8 mm wire – Straightening of 6" & 8" long wire	✓	✓	✓	✓	✓	✓
2	Fabrication of equilateral triangle	✓	✓	✓	✓	✓	✓
3	Fabrication of equilateral square	✓	✓	✓	✓	✓	✓
4	Fabrication of rectangle						
5	Fabrication of circle	✓	✓	✓	✓	✓	✓
6	Fabrication of 5U loop	✓	✓	✓	✓	✓	✓
7	Fabrication of 5V loop	✓	✓	✓	✓	✓	✓
B 1	Fabrication of CLASPS with 22 gauge wire - Retentive components of removable appliance C- clasp	✓	✓	✓	✓	✓	✓
2	Jackson's clasp	✓	✓	✓	✓	✓	✓
3	Triangular Clasps	✓	✓	✓	✓	✓	✓
4	Adam's clasp - upper molar	✓	✓	✓	✓	✓	✓
5	Adam's Clasp - lower molar	✓	✓	✓	✓	✓	✓
6	Adam's Clasp - Pre-molar	✓	✓	✓	✓	✓	✓

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7	Adam's Clasp – Incisor	✓	✓	✓	✓	✓	✓
8	Modification of Adam's - With Helix	✓	✓	✓	✓	✓	✓
9	Modification of Adam's - With distal extension	✓	✓	✓	✓	✓	✓
10	Modification of Adam's - With soldered tube	✓	✓	✓	✓	✓	✓
11	Duyzing Clasps on Molars	✓	✓	✓	✓	✓	✓
12	Southend Clasp	✓	✓	✓	✓	✓	✓
C 1	Fabrication of springs with 24 gauge wire- Active components of the removable appliance Finger spring-distal movement	✓	✓	✓	✓	✓	✓
2	Finger spring-distal movement	✓	✓	✓	✓	✓	✓
3	Double cantilever spring	✓	✓	✓	✓	✓	✓
4	Flapper spring	✓	✓	✓	✓	✓	✓
5	Coffin spring	✓	✓	✓	✓	✓	✓
6	T spring	✓	✓	✓	✓	✓	✓
D 1	Fabrication of bows with 22 gauge wire- Active components of the removable appliance Fabrication of short labial bow(upper and lower)	✓	✓	✓	✓	✓	✓
2	Fabrication of long labial bow(upper and lower)	✓	✓	✓	✓	✓	✓
3	Robert's retractor	✓	✓	✓	✓	✓	✓
4	High labial bow-with apron spring's	✓	✓	✓	✓	✓	✓
5	Mill's labial bow	✓	✓	✓	✓	✓	✓


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6	Reverse loop labial bow	✓	✓	✓	✓	✓	✓
7	Retention labial bow soldered to Adam's clasp	✓	✓	✓	✓	✓	✓
8	Retention labial bow extending distal to second molar	✓	✓	✓	✓	✓	✓
9	Fitted labial bow	✓	✓	✓	✓	✓	✓
10	Split high labial bow	✓	✓	✓	✓	✓	✓
E	Fabrication of canine retractors with 23 gauge wire- Active components of removable appliance						
1	U loop canine retractor	✓	✓	✓	✓	✓	✓
2	Buccal canine retractor	✓	✓	✓	✓	✓	✓
3	Reverse loop canine retractor	✓	✓	✓	✓	✓	✓
4	Palatal canine retractor	✓	✓	✓	✓	✓	✓
F	Fabrication of appliances	✓	✓	✓	✓	✓	✓
1	Upper Hawley's appliance with anterior bite plane						
2	Upper Hawley's appliance with posterior bite plane	✓	✓	✓	✓	✓	✓
3	Upper expansion appliance with coffin spring	✓	✓	✓	✓	✓	✓
4	Upper expansion appliance with coffin spring	✓	✓	✓	✓	✓	✓
5	Upper expansion appliance with expansion screw	✓	✓	✓	✓	✓	✓
6	Habit breaking appliance with tongue crib	✓	✓	✓	✓	✓	✓
7	Oral screen and double oral screen	✓	✓	✓	✓	✓	✓
8	Lip bumper	✓	✓	✓	✓	✓	✓
9	Splint for Bruxism	✓	✓	✓	✓	✓	✓

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10	Catalans appliance	✓	✓	✓	✓	✓	✓
11	Activator	✓	✓	✓	✓	✓	✓
12	Bionator	✓	✓	✓	✓	✓	✓
13	Frankel-FR 2 appliance	✓	✓	✓	✓	✓	✓
14	Twin block	✓	✓	✓	✓	✓	✓
15	Lingual arch	✓	✓	✓	✓	✓	✓
16	TPA	✓	✓	✓	✓	✓	✓
17	Quad helix	✓	✓	✓	✓	✓	✓
18	Bihelix	✓	✓	✓	✓	✓	✓
19	Utility arches	✓	✓	✓	✓	✓	✓
20	Pendulum appliance	✓	✓	✓	✓	✓	✓
G	SOLDERING EXERCISES	✓	✓	✓	✓	✓	✓
1	Star						
2	Comb	✓	✓	✓	✓	✓	✓
3	Christmas tree .	✓	✓	✓	✓	✓	✓
4	Soldering buccal tube on molar bands	✓	✓	✓	✓	✓	✓
H	WELDING EXERCISES	✓	✓	✓	✓	✓	✓
1	Pinching and welding of molar, premolar, canine and Incisor bands						
2	Welding of buccal tubes and brackets on molar bands and incisor bands	✓	✓	✓	✓	✓	✓
I	CEPHALOMETRICS						
1	Lateral cephalogram to be traced in five different colors and super imposed to see the accuracy of tracing	✓	✓	✓	✓	✓	✓

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2	Steiner's analysis	✓	✓	✓	✓	✓	✓
3	Down's analysis	✓	✓	✓	✓	✓	✓
4	Tweed analysis	✓	✓	✓	✓	✓	✓
5	Rickett's analysis	✓	✓	✓	✓	✓	✓
6	Burrstone analysis	✓	✓	✓	✓	✓	✓
7	Rakosi's analysis	✓	✓	✓	✓	✓	✓
8	Mc Namara analysis	✓	✓	✓	✓	✓	✓
9	Bjork analysis	✓	✓	✓	✓	✓	✓
10	Coben's analysis	✓	✓	✓	✓	✓	✓
11	Harvold's analysis	✓	✓	✓	✓	✓	✓
12	Soft tissue analysis - Holdaway and Burstone	✓	✓	✓	✓	✓	✓
J 1	LIGHT WIRE BENDING EXERCISES FOR BEGG'S TECHNIQUE Wire bending technique on 0.016' wire circle "Z" Omega	✓	✓	✓	✓	✓	✓
2	Bonwill-Hawley diagram	✓	✓	✓	✓	✓	✓
3	Making a standard arch wire	✓	✓	✓	✓	✓	✓
4	Inter maxillary hooks- Boot leg and Inter Maxillary type	✓	✓	✓	✓	✓	✓
5	Upper and Lower arch wire	✓	✓	✓	✓	✓	✓
6	Bending a double back arch wire	✓	✓	✓	✓	✓	✓
7	Bayonet bends (vertical and horizontal offsets)	✓	✓	✓	✓	✓	✓

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8	Stage-III arch wire	✓	✓	✓	✓	✓	✓
9	Torquing auxiliary (upper)	✓	✓	✓	✓	✓	✓
10	Reverse Torquing (lower)	✓	✓	✓	✓	✓	✓
11	Up righting spring	✓	✓	✓	✓	✓	✓
K	TYPHODONT EXERCISES						
1	Teeth setting in Class-II division I malocclusion with maxillary anterior proclination and mandibular anterior crowding	✓	✓	✓	✓	✓	✓
2	Band pinching, welding brackets and buccal tubes to the bands	✓	✓	✓	✓	✓	✓
3	Stage-I	✓	✓	✓	✓	✓	✓
4	Stage-II	✓	✓	✓	✓	✓	✓
5	Pre Stage-I	✓	✓	✓	✓	✓	✓
6	Stage-III	✓	✓	✓	✓	✓	✓

POINT 2. LIST OF PROGRAMS CONDUCTED BY THE DEPARTMENT

SL. NO.	NAME OF TRAINING PROGRAM	2016	2017	2018	2019	2020	2021
1	Comprehensive workshop on advanced orthodontic appliances- Self ligating and aligner systems				✓		


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PERIODONTOLOGY & IMPLANTOLOGY

WORK DONE BY 3RD YEAR BDS STUDENTS WHEN POISTED

S.NO	WORK DONE
1.	Discussion taken on sterilization and infection control
2.	Discussion taken on Periodontal instruments
3.	Discussion taken on Instrumentation and principles of instrumentation
4.	Discussion taken on Nonsurgical Therapy
5.	Demonstration of scaling
6.	Scaling done on models and cast- 5 Scaling
7.	Discussion taken on Mechanical plaque control
8.	Discussion taken on Chemical plaque control
9.	Discussion taken on Case history
10.	Student takes 10 case history on patients
11.	10 supra gingival scaling done on patients
12.	End posting exams and Viva conducted

WORK DONE BY 4th YEAR BDS STUDENTS WHEN POISTED IN THE

Sl.No	WORK DONE
1	Student take 15 case history on patients
2	40 Supra gingival and sub gingival scaling on patients
3	10 Ultra sonic scaling on patients
4	End posting exams and Viva conducted


Dr. Ramakant Nayak
Principal
M.M's. N.G. Halgekar Institute of Dental Sciences
& Research Centre, Belagavi-590010.

ORAL PATHOLOGY & MICROBIOLOGY

I BDS

Subject: Dental Anatomy and Histology

1. Carving of a set of permanent tooth morphology on using wax blocks
2. Age estimation and tooth numbering system using study models
3. Identification of deciduous and permanent teeth using tooth models
4. Histological identification of normal oral soft and hard tissue structure through Hematoxylin and eosin stained tissue sections and ground sections

II BDS

Subject: Oral Pathology and Microbiology

1. Identification of various developmental anomalies using tooth models
2. Identification and histopathological diagnosis of oral pathological lesion using Microscope
3. Macroscopic analysis of soft tissue pathologies of oral cavity using specimens preserved at museum

III BDS

Subject: Oral Pathology and Microbiology

1. Identification of various developmental anomalies using tooth models
2. Identification and histopathological diagnosis of oral pathological lesion using Microscope
3. Macroscopic analysis of soft tissue pathologies of oral cavity using specimens preserved at museum

Interns

Subject: Oral Pathology and Microbiology

1. Preparing exfoliative cytology and FNAC smear, staining and reporting the same.
2. Making ground section of teeth
3. Observation of grossing the soft and hard tissue specimen received by department for histopathological diagnosis
4. Observation of basic hematological procedures done at hematology laboratory
5. Posting to central research laboratory to understand various molecular technique used for diagnosis and research in oral pathology


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